PATENT COOPERATION TREAT

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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1-146			FOR FURTHER	ACTION	See Form PCT/IPEA/416
PCT/EP2004/001208 10.02.200		International filing da 10.02.2004		Priority date (day/month/year) 13.02.2003	
A61K3	31 <i>/</i> 60, A61K3	ssification (IPC) or na 1/519, A61K31/41	tional classification and 84, A61P9/00	I IPC	
Applicar BOEH		BELHEIM INTERI	NATIONAL GMBH	& CO. KG	
	•		applied	and according to Afficie	this International Preliminary Examining 36.
2. Tł	his REPORT o	consists of a total of	7 sheets, including	this cover sheet.	
3. Ti			ANNEXES, compris		
a.	□ sent to ti	he applicant and to	the International Bui	reau) a total of sheets	as follows:
	⊔ shee and/	ets of the description	n, claims and/or dray	ingo which have been	amended and are the basis of this report (see Rule 70.16 and Section 607 of the
	☐ shee beyo Supp	ets which supersede and the disclosure in Diemental Box.	e earlier sheets, but on the international ap	which this Authority co plication as filed, as in	nsiders contain an amendment that goes dicated in item 4 of Box No. I and the
b.	(sent to t sequence Box Rela	the International But a listing and/or table ting to Sequence Li	reau only) a total of (s related thereto, in isting (see Section 8	indicate type and num computer readable for 02 of the Administrativ	ber of electronic carrier(s)) , containing a m only, as indicated in the Supplemental e Instructions).
4. Th	is report conta	ains indications rela	ting to the following	tems:	
\boxtimes	Box No. I	Basis of the opinion	n -		
		Priority			
\boxtimes	Box No. III	Non-establishmen	it of oninion with rea	ard to novolty income	e step and industrial applicability
	Box No. IV	Lack of unity of inv	vention	ara to noverty, inventive	e step and industrial applicability
		Reasoned stateme applicability; citation	ent under Article 35(ons and explanations	2) with regard to novel s supporting such state	ty, inventive step or industrial
	Box No. VI	Certain documents	s cited		
	Box No. VII	Certain defects in	the international app	lication	
П	Box No. VIII	Certain observatio	ns on the internation	al application	
Date of submission of the demand			Date of completion of the	his report	
	11.08.2004			25.02.2005	
Name and	Name and mailing address of the international			Authorized Officer	
European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016				Leherte, C Telephone No. +31 70	340-2748

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/001208

_	Box No. I Basis of the report
-	The second secon
1	With regard to the language , this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
	 □ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of: □ international search (under Rules 12.3 and 23.1(b)) □ publication of the international application (under Rule 12.4) □ international preliminary examination (under Rules 55.2 and/or 55.3)
2.	With regard to the elements* of the international application, this report is based on <i>(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):</i>
	Description, Pages
	I-7 as originally filed
	Claims, Numbers
	-6 as originally filed
	a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3.	The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):
4. [This report has been established as if (some of) the amendments annexed to this report and listed below and not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the upplemental Box (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):
*	If item 4 applies, some or all of these sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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International application No. PCT/EP2004/001208

	ox No. III Non-establishme pplicability	nt of opinion with regard to novelty, inventive step and industrial				
. Ti ob	ne questions whether the claim ovious), or to be industrially app	ned invention appears to be novel, to involve an inventive step (to be non- policable have not been examined in respect of:				
\boxtimes	claims Nos. 1-3, 5					
	because:					
⊠	the said international application, or the said claims Nos. 1, 2 (with respect to industrial applicability) relate to the following subject matter which does not require an international preliminary examination (specify):					
	see separate sheet					
	the description, claims or drawings <i>(indicate particular elements below)</i> or said claims Nos. are so unclear that no meaningful opinion could be formed <i>(specify)</i> :					
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.					
	no international search report	o international search report has been established for the said claims Nos. 1, 3, 5 (all partially)				
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Ann C of the Administrative Instructions in that:					
	the written form	has not been furnished				
		☐ does not comply with the standard				
	the computer readable form	☐ has not been furnished				
		☐ does not comply with the standard				
	the tables related to the nucleon not comply with the technical r	otide and/or amino acid sequence listing, if in computer readable form only, do equirements provided for in Annex C-bis of the Administrative Instructions.				
	See separate sheet for further					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/001208

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-6

No: Claims

Inventive step (IS)

Yes: Claims

No: Claims 1-6

Industrial applicability (IA)

Yes: Claims

No: Claims

see seperate sheet

2. Citations and explanations (Rule 70.7):

see separate sheet

Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

and/or

2. Non-written disclosures (Rule 70.9)

see separate sheet

PCT/EP2004/001208

Re Item III.

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

- 1) Claims 1 and 2 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).
- 2) Claims 1, 3 and 5 encompass a genus of compounds defined only by their function ("angiotensin II antagonist"), wherein the relationship between the structural features of the members of the genus and said function have not been defined. In the absence of such a relationship either disclosed in the as-filed application or which would have been recognized based upon information readily available to one skilled in the art, the skilled artisan would not know how to make and use compounds that lack structural definition. The fact that one could have assayed a compound of interest using the claimed assays does not overcome this defect since one would have no knowledge beforehand as to whether or not any given compound (other than those that might be particularly disclosed in an application) would fall within the scope of what is claimed. It would require undue experimentation (be an undue burden) to randomly screen undefined compounds for the claimed activity.

The claims cover all combinations of angiotensin II antagonist with dipyridamole and aspirin, whereas the application provides support and/or disclosure within the meaning of Article 6 PCT for only one such combinations, namely: dipyridamole in combination with acetylsalicylic acid and telmisartan.

In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the pharmaceutical composition, containing dipyridamole in combination with acetylsalicylic acid and telmisartan.

No opinion will be given in respect of subject-matter which is not covered by the search report (Rule 66.1(e) PCT).

Re Item V.

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Attention is drawn to the fact that the present statement expressed as to novelty, inventive step and industrial applicability refers only to matter for which an International Search Report has been drawn up (i.e. only for pharmaceutical compositions, containing dipyridamole in combination with acetylsalicylic acid and telmisartan.

1) INDUSTRIAL APPLICABILITY

For the assessment of the present claims 1 and 2 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

2) DOCUMENTS USED IN EXAMINATION

The following documents are referred to in this communication; the numbering will be adhered to in the rest of the procedure:

D1: WO 01/15673 A

D2: XP000933411, MEDICAL LETTER ON DRUGS AND THERAPEUTICS, vol. 42, no. 1071, pages 11-12

D3: XP009033957, REVUE MEDICALE DE LIEGE, vol. 55, no. 10, 2000, pages 957-959

D4: XP009033969, HEART DRUG, KARGER, vol. 2, no. 2, pages 93-104

Unless indicated otherwise reference is made to the passages considered relevant in the search report.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

International application No.

PCT/EP2004/001208

3) INVENTIVE STEP

The present application does not meet the criteria of Article 33(1) PCT, because the subject matter of claim 1-6 does not involve an inventive step in the sense of Article 33(3)PCT.

The problem to be solved by the present application is the provision of a medicament for the prevention of stroke or reducing the risk of stroke.

The solution proposed by the applicant is a medicament containing dipyridamole in combination with acetylsalicylic acid (ASA) and an angiotensin II antagonist,

Documents D1 discloses the use of AT II antagonists in the manufacture of a medicament for the prevention of stroke.

Document D2, D3 and D4 show that Aggrenox(R) (extended-release dipyridamole and aspirin in combination) are used for the prevention of stroke.

The use of a combination of two or more active ingredients with known identical therapeutic use can only be considered as inventive when a surprising effect, an unexpected high synergistic effect or reduced side effects for example, can be assigned in relation to the claimed therapeutic use. In this respect, the present application lacks supportive evidence.